

**MATHEMATICAL TRIPOS PART III 2025**  
**Comments for Candidate**

*Essay:* 115 - Random Walk on Dynamical Percolation

*Candidate:* E544B - I. Bhadoo

*Assessor:* Perla Sousi

This is an outstanding essay. It proves new results comparing the cover times of random walks on dynamical percolation with those on the underlying graph. The writing is clear and well-structured, and the essay provides a survey and outlines proofs of previous results. It also contains original simulations of random walks on dynamical percolation. I thoroughly enjoyed reading it and I believe it can be developed into a research paper suitable for publication in a good probability journal.